

JIAPENG SWY-115~125/4-150 OIL FREE High Pressure O2 N2 Air Booster Supercharger

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Anshan Jiapeng
- Certification: CE ISO9001
- Model Number: SWY-115~125/4-150
- Minimum Order Quantity: 1
- Price: \$2000~20000 per set
- Packaging Details: Wooden Case
- Delivery Time: With in 7 days
- Payment Terms: D/P, T/T, L/C, L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 500 Sets Per Year



Product Specification

- Input Pressure: 0.4 Mpa
- OutLet Pressure: 15 Mpa
- Flow Rate Nm3/h: 115
- Cylinder Diameter: 2- Φ 70+ Φ 50+ Φ 30 *2
- Inlet Size: Rc1
- Outlet Size: G5/8
- Size: 2900*1320*1300(mm)
- Weight: 1350kg
- REV R/min: 640
- Application: O2, N2, Ar2
- Highlight: 640 r/min high pressure air booster,
15mpa booster compressor oil and gas,
n2 high pressure air booster

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Product Description

JIAPENG SWY-115~125/4-150 oIL FREE Oxygen Booster Supercharger Air compressor O2 High booster for Oxygen filling

About shanghai powerbuilder automation technology co.,ltd

We are the authorized distributor of Anshan Jiapeng. We have been engaged in the assembly of PSA nitrogen generators and oxygen generators in our factory for 15 years, providing approximately 400 sets of PSA nitrogen generators and oxygen generators for domestic and international customers each year, including production, and debugging.

In collaboration with Burkert Valves, we have customized our own double-acting pneumatic valve. Through the design of top and middle pressure equalization, and airflow orifice plates, we continuously optimize and reduce the air consumption ratio of the equipment, thus achieving energy savings. The energy consumption ratio of our equipment has reached the highest level in China. And through our patented silencer, our device noise is controlled to less than 55 db.

In terms of process flow, we have cutting, welding, assembly, filling of molecular sieves, automatic rust removal, spraying, and complete procedures and supporting equipment for commissioning.

In the supply chain aspect, we provide first-line brands such as Atlas Copco, Ingersoll Rand, GDK, Liutech, Bolaite, Hanbell, and BK for air compressors, and provide Boly, Atlas Copco, and Liutech refrigerated dryers, as well as Anshan Jiapeng and Anqing Bailian boosters.

We can provide supporting equipment and accessories.

Currently, our company's products are aimed at end-users and distributors worldwide. We provide customized remote systems, color customization, display interface customization, and many other OEM services. And we also provide ASME standard equipment and pressure tanks for USA and Australian market.

For specific selection, please contact our customer manager. We hope to become your trusted long-term partner.

About Anshan Jiapeng Compressor Co., Ltd

Anshan Jiapeng Compressor Co., Ltd., situated in the southeastern region of Liaoning Province, is strategically located in Anshan, known as the steel capital. The company was established in June 1998, with a registered capital of 5 million yuan. As one of the pioneering joint-stock manufacturers in the field of oil-free gas compressors after the reform of state-owned enterprises, it holds the distinction of being one of the earliest domestic production license holders.

Our company specializes in the production of a wide range of compressors, encompassing 10 series and over 100 models of oil-free air, oxygen, nitrogen, argon, helium, carbon dioxide, sulfur hexafluoride, and other non-flammable and explosive gases. Additionally, we offer complementary post-treatment equipment such as cold and dry machines, filters, and gas storage tanks. These products are designed to provide users with purified air that is free from oil, water, dust, and contaminants, meeting the highest standards of sterility.

Our innovative fat-filling oil-free compressor has revolutionized the traditional model structure, offering enhanced convenience in maintenance and prolonged service life. This design has been recognized with a national patent (patent no. ZL 20112 0053943.2). We take pride in being the first compressor production license holder and a certified unit for general machinery GC certification. Furthermore, we have achieved ISO9001-2008 system certification and our products have been qualified as national quality-approved.

Over the years, our company has been honored with numerous accolades and recognitions. We have been designated as an industry and commerce exempt enterprise by the Anshan Industrial and Commercial Bureau, known for our commitment to contract compliance and integrity. Additionally, we have been recognized as an "anti-counterfeiting and fidelity enterprise" by the Anshan Technical Supervision Bureau.

At Anshan Jiapeng Compressor Co., Ltd., we are dedicated to delivering high-quality products, pioneering innovation, and upholding the highest standards of integrity and customer satisfaction.

Jiapeng booster advantages

- 1.Chinese and English operation interface(pic1)
- 2.With abnormal alarm reminder function(pic2)
3. The filling booster is equipped with a water tank and a water pump.
After 40 liters of water is added to water tank , the booster can work when the power is turned on. There is no need for a extra water tank and pump!



pic1



pic2

Working Principle

Compression of gas: The air compressor draws in a large volume of air through one or more cylinders and compresses it using a piston or a screw-type compression device. As the gas is compressed, the molecular spacing decreases, resulting in increased gas pressure and temperature.

Discharge of high-pressure gas: After compression, the high-pressure gas is pushed into the air compressor's storage tank or delivery pipelines. The storage tank is used to store the compressed air and balance the supply of air from the compressor.

Control system: Air compressors are typically equipped with a control system to monitor and regulate the gas pressure. When the pressure drops below a set value, the control system starts the compressor to increase the gas supply. When the pressure reaches the preset upper limit, the control system stops or reduces the operation of the compressor.

Cooling system: During the compression process, the temperature of the gas increases. Therefore, air compressors are usually equipped with a cooling system to lower the gas temperature. This can be achieved through air cooling or water cooling.

Lubrication system: To reduce friction and wear, air compressors typically require a lubrication system to provide lubricating oil or lubricants to the compression device and other moving parts.

In summary, an air compressor compresses a large volume of air into high-pressure gas to meet the compressed air requirements in various industrial and commercial applications. The key steps in the working principle include gas compression, discharge of high-pressure gas, control system, cooling system, and lubrication system.

Product description

Lot.	Item	Parameter
1	The compression medium	Oxygen (must be dry and free of particulate gas)
2	Model	SWY-115~125 /4-150 -
3	Flow rate (standard) Nm ³ /h	-115~125
4	Inlet temperature	≤40
5	Inlet pressure MPa	0.4
6	Outlet Pressure MPa	15
7	Cylinder diameter quantity	(2-Φ70+Φ50+Φ30mm**2
8	Revolving Speed r/min	640
9	Cooling Mode	Air cooling + water cooling (in circulation)
10	Lubrication method	Oil free lubrication
11	Compressed series	Three Level
12	Structural style	Angle type, W type, single unit
13	Motor	Power kW
		44
		The electric system
		AC380V, three-phase electricity, 50Hz,
		Insulation grade
		B Grade
		Protection grade
		IP44
		Start Mode
		Direct Starting
14	Drive Mode	Belt Drive
15	The installation type	The base type
16	Noise Figure dB(A)	≤80
17	Control mode	PLC Touch screen control: maintenance alarm, over temperature alarm, overpressure alarm, motor overload alarm and so on
18	Dimension of inlet and outlet	Rc1 Rc5/8
19	Size(L×W×H) mm	2900*1320*1300
20	Weight kg	≈1350

The basic parameters listed in this table can be confirmed according to the actual working conditions

Touch display PLC control

Remote control is optional

Inlet and outlet pressure overload, temperature overheating, cooling water failure, circulation rolling alarm and stop

Operation time display, maintenance cycle prompt

With water tank and circulating pump without external pipeline, filling antifreeze at low temperature without obstruction.



Our Service

1. We can provide acceptance video and shipping list
2. We can provide the boot video and boot introduction
3. We can provide maintenance videos and instructions
4. For **dealers** we can provide door-to-door service and factory training in your factory



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